			THE
	Application No.	Applicant(s)	
	10/812,635	CUNNINGHAM, BRIAN T.	
Notice of Allowability	Examiner	Art Unit	
	Sarah Song	2874	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. TH	
1. 🛛 This communication is responsive to application filed 29 Ma	arch 2004.		
2. The allowed claim(s) is/are <u>1-19</u> .			
3. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the:			
Certified copies of the priority documents have			
2. Certified copies of the priority documents have	• • • • • • • • • • • • • • • • • • • •		
3. Copies of the certified copies of the priority doc	cuments have been received in this	national stage application from tr	ie
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the C	Office action of	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT F 	sit of BIOLOGICAL MATERIAL n FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. Note the AL MATERIAL.	
Attachment(s)	_		
1. Notice of References Cited (PTO-892)		atent Application (PTO-152)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Dat		
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0		ment/Comment	
Paper No./Mail Date <u>081204,081604</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. X Examiner's Stateme	ent of Reasons for Allowance	
of Biological Material	9. Other		

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas Fairhall on September 19, 2005.

The application has been amended as follows:

In claim 7, line 1, please insert –of claim 1—after "biosensor".

In claim 10, line 3, please insert a period, —.—after "defect".

In claim 15, line 7, please delete "comprise".

2. The following is an examiner's statement of reasons for allowance: the prior art of record does not disclose or reasonably suggest a photonic crystal sensor comprising a defect wherein the regular repeating pattern of said raised portion separated by adjacent voids is modified such that at the defect said material having a relatively high index of refraction n1 occupies the space of one or more voids. Grot et al. discloses a photonic crystal sensor comprising a defect, however, the defect of Grot et al. is a hole, and not a region occupied by said material having a relatively high index of refraction n1. Furthermore, modifying the defect of Grot et al. to be occupied by said material of relatively high refractive index would destroy the principle of operation of Grot et al. since Grot et al. utilizes the defect or hole to receive a volume of material to be sensed.

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Therefore, there is no suggestion in the prior art of record to occupy the void of Grot et al. with said material having a relatively high index of refraction n1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sarah Song whose telephone number is 571-272-2359. The examiner can normally be reached on M-Th 7:30am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney Bovernick can be reached on 571-272-2344. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner

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